

Table S1. Patient and RSV-B strain information

Code	Gender	Age (months)	Sample date	Patientmaterial	Genotype	Accession #
12-004620	F	1.7	05-02-12	N Asp	GB13	JX576733
12-003981	M	951.0	29-01-12	N swab	GB13	JX576734
12-002874	F	590.8	23-01-12	N swab	GB13	JX576735
12-001238	F	900.2	07-01-12	N swab	GB13	JX576736
10-053640	M	3.2	21-12-10	N Asp	GB13	JX576737
10-053210	F	8.4	12-12-10	N Asp	GB13	JX576738
09-053165	M	5.1	28-12-09	N Asp	GB13	JX576739
09-053157	M	20.2	28-12-09	N Asp	GB13	JX576740
09-052617	M	1.5	22-12-09	N Asp	GB13	JX576741
09-052281	F	0.8	20-12-09	N Asp	GB13	JX576742
09-052064	M	12.5	18-12-09	N Asp	GB13	JX576743
08-046532	F	4.2	22-12-08	N Asp	GB13	JX576744
08-045952	M	8.1	17-12-08	N Asp	GB13	JX576745
08-045604	M	13.6	15-12-08	N Asp	GB13	JX576746
08-045420	M	6.9	12-12-08	N Asp	GB13	JX576747
07-038682	M	5.8	27-11-07	N Asp	GB13	JX576748
07-038176	F	2.6	23-11-07	N Asp	GB13	JX576749
07-008482	M	30.4	14-03-07	Bal	GB13	JX576750
07-000431	M	0.8	05-01-07	N Asp	GB13	JX576751
06-039982	F	6.5	21-12-06	N Asp	GB13	JX576752
06-036027	M	12.1	17-11-06	N Asp	GB13	JX576753
05-040399	F	1.0	31-12-05	N Asp	GB13	JX576754
05-040058	M	11.8	26-12-05	N Asp	GB13	JX576755
05-039452	M	41.6	20-12-05	N Asp	GB13	JX576756
05-004042	F	333.4	14-01-05	N swab	GB13	JX576757
05-001965	F	657.5	14-01-05	N swab	GB13	JX576758
03-034613	M	8.6	05-12-03	N Asp	GB13	JX576759
03-000005	F	6.2	01-01-03	N Asp	GB12	JX576760
02-028215	M	0.4	21-10-02	N Asp	GB13	JX576761
02-000467	F	22.6	08-01-02	N Asp	GB13	JX576762
BE/5133/08	F	8.0	23-10-08	N Asp	GB13	JX576729
BE/5150/08	F	4.0	24-10-08	N Asp	GB13	JX576730
BE/5649/08	M	0.5	19-11-08	N Asp	GB13	JX576731
BE/7004/06	F	7.0	05-12-06	N Asp	GB13	JX576732

Table S2. Primers applied for cDNA preparation and whole genome sequencing

General primers for RSV-B whole genome sequencing			
Primer name	5'-3' sequence	Start	End
RSV B F1 For	ACGCGAAAAAATGCGTACTAC	1	21
RSV B F1 Rev	GAGCCATCTTTGTATTTGCC	1147	1128
RSV B F2 For	CAATCATGGCGGGTTTCTAG	916	935
RSV B F2 Rev	GCTCTGCATATGCTTTGGC	2206	2188
RSV B F3 For	GCACAATCATCCACAAGAGG	1825	1844
RSV B F3 Rev	GTTGATTGATTGGTTGGTGG	3195	3175
RSV B F4 For	GATAGGTTAGAGGCTATGGCAAG	2916	2938
RSV B F4 Rev	GCGGTATAAATGGTTGTTGAG	4273	4253
RSV B F5 For	GGTGCCTACCTAGAAAAAGAGAG	3942	3964
RSV B F5 Rev	GGTCTCTTTTGTGTTGTGGTTTTG	5337	5314
RSV B F6 For	GTCTCACCAGAAAGGGTTAGC	4970	4990
RSV B F6 Rev	CTTTGGATACAGCTATACCACTTG	6195	6172
RSV B F7 For	CCAAATGCAATGGAAGTAC	5926	5945
RSV B F7 Rev	CAGAAGGAAACACTAGAGGGTC	7182	7161
RSV B F8 For	CTCTTGAGCTATAGTGTCATGC	6952	6974
RSV B F8 Rev	GATGGATGGTTTGCTTGTTG	8121	8102
RSV B F9 For	GCTCTTGGTATAGTTGGAGTGC	7896	7917
RSV B F9 Rev	GGAGGATGTTGCATTGAACAC	9172	9152
RSV B F10 For	GTAAAGGTGTACGCCATCTTG	8934	8954
RSV B F10 Rev	GCAGATGAAACTCAGATAGAAC	10152	10130
RSV B F11 For	GATGAAAGACAAGCAATGGATG	9873	9894
RSV B F11 Rev	GTCTGACCCTCTATAAGTCTAACTGG	11053	11028
RSV B F12 For	GTGGTATTGAGGGCTGGTG	10894	10912
RSV B F12 Rev	AATACTTGGCGATGTTACTCCTAC	12242	12219
RSV B F13 For	CAAAATATAGAACCAACTTACCCTC	11904	11928
RSV B F13 Rev	AATCAGAATCCAATGTCCAGC	13079	13059
RSV B F14 For	AAAACAGCATATGTTTCTACCAG	12893	12915
RSV B F14 Rev	TCTGGATGAAGTTCTACTACCGTAC	14179	14155
RSV B F15 For	CACCACCACTTCACATCAGAC	13949	13969
RSV B F15 Rev	ACGAGAAAAAAGTGTCAAAAAC	15288	15265
RSV B F1 Begin3 (rev)	GTTATCAGGGCACACTTCAC	286	305
RSV B Seq End (for)	TACCTTTCCTTTGTTACCCTATAAC	15113	15089
Additional primers for RSV-B whole genome sequencing			
Primer name	5'-3' sequence	Start	End
RSV B F3a For	GAGGGGGTAGTAGAGTTGAAGG	1873	1894
RSV B F5a For	GTGTTCTCCATTATGCTGTG	4500	4520
RSV B F5 A Rev	GTTGCCACATATACTACAGGGAAC	5221	5200
RSV B F8a For	CACACCAGTTACACTAAGCAAAGAC	7327	7351
RSV B F8a Rev	TGTCTTCTTCAGCACGTCTGC	8097	8077
RSV B F11a For	AAAGCAGGAATAAGCAACAAGTC	10528	10550
RSV B F11a Rev	CACCACCACCAACAGCATAG	11473	11453

Nucleotide position relative to consensus RSV B [AF013254.1].

Attached to the 5' end of the forward primer is the following sequence primer site: GCA GTC AAC CAT ATG CCT TG

Attached to the 5' end of the reverse primer is the following sequence primer site: GCT TGC GGA ATT CTG ACA AC

Table S3. Strain information on G gene sequences derived from the studies of Zlateva *et al.* and Baek *et al.* (part 1-3)

Strain	Accession No	Year of isolation	Country of isolation	Reference
BA3833_1999.50	AY333362	1999	Buenos Aires (Argentina)	Trento <i>et al.</i> (2003) J Gen Virol
BA3859_1999.50	AY333363	1999	Buenos Aires (Argentina)	Trento <i>et al.</i> (2003) J Gen Virol
BE10495_1993.50	AY751215	1993	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE10557_2000.50	AY751266	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1066_2003.50	AY751123	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE10701_2000.50	AY751163	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE10760_2000.50	AY751267	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1091_1996.50	AY751222	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11120_1993.50	AY751230	1993	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1134_2003.50	AY751159	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11500_2001.50	AY751105	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11508_2001.50	AY751116	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11535_2001.50	AY751126	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11583_2001.50	AY751201	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11609_2001.50	AY751102	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1162_2002.50	AY751104	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11712_1993.50	AY751244	1993	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11718_1996.50	AY751197	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11754_2000.50	AY751268	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1176_1988.50	AY751256	1988	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11842_2001.50	AY751206	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11875_2001.50	AY751196	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11900_1996.50	AY751239	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE11972_1996.50	AY751226	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12015_1996.50	AY751132	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12024_2000.50	AY751265	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12031_1999.50	AY751270	1999	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12059_1999.50	AY751223	1999	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12160_2002.50	AY751271	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12186_1996.50	AY751225	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12228_1998.50	AY751246	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12237_2002.50	AY751175	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12252_1996.50	AY751241	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12308_1996.50	AY751272	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12321_1998.50	AY751134	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12349_2002.50	AY751121	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12350_2002.50	AY751185	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12353_2001.50	AY751162	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12357_1998.50	AY751182	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12358_2002.50	AY751084	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12370_2001.50	AY751118	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12445_1999.50	AY751094	1999	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12446_2001.50	AY751125	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12522_2001.50	AY751119	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12543_1996.50	AY751157	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12562_1999.50	AY751213	1999	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12595_2001.50	AY751107	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12598_2001.50	AY751108	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12670_2001.50	AY751086	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE128_1992.50	AY751248	1992	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12817_2003.50	AY751091	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12894_1999.50	AY751150	1999	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE12973_2003.50	AY751089	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13159_2002.50	AY751117	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13182_1999.50	AY751210	1999	Belgium	Zlateva <i>et al.</i> (2005) J Virol

Table S3. Strain information on G gene sequences derived from the studies of Zlateva *et al.* and Baek *et al.* (part 2-3)

Strain	Accession No	Year of isolation	Country of isolation	Reference
BE13417_1999.50	AY751131	1999	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13418_2002.50	AY751172	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13436_2002.50	AY751151	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13457_2003.50	AY751087	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13491_2002.50	AY751165	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13768_1997.50	AY751198	1997	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE13833_1997.50	AY751154	1997	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14273_1995.50	AY751227	1995	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE143_1994.50	AY751233	1994	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14361_1998.50	AY751181	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14364_1998.50	AY751245	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14516_1997.50	AY751192	1997	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14517_1997.50	AY751147	1997	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14548_1998.50	AY751140	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14610_2003.50	AY751093	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE14819_1997.50	AY751152	1997	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE15_1994.50	AY751231	1994	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1509_1996.50	AY751190	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE15116_1998.50	AY751148	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE15760_1997.50	AY751158	1997	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1732_1982.50	AY751260	1982	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1802_2003.50	AY751109	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1932_1984.50	AY751281	1984	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE1950_2001.50	AY751149	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE196_2001.50	AY751212	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE2003_1984.50	AY751276	1984	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE2098_2000.50	AY751238	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE210_2003.50	AY751111	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE23_1991.50	AY751216	1991	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE259_1996.50	AY751187	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE2756_1985.50	AY751282	1985	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE277_1996.50	AY751195	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE2803_1998.50	AY751191	1998	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE283_2000.50	AY751242	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE2968_1985.50	AY751257	1985	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE302_2004.50	AY751124	2004	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE3280_1987.50	AY751251	1987	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE3455_1986.50	AY751259	1986	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE352_2000.50	AY751208	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE361_1994.50	AY751235	1994	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE381_2001.50	AY751211	2001	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE382_2000.50	AY751145	2000	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE3837_2002.50	AY751186	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE391_1989.50	AY751254	1989	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE395_1985.50	AY751280	1985	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE4383_1989.50	AY751253	1989	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE45_1991.50	AY751274	1991	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE450_1983.50	AY751262	1983	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE456_1987.50	AY751252	1987	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE46_2003.50	AY751110	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE4618_1988.50	AY751255	1988	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE4929_1988.50	AY751250	1988	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE5222_1988.50	AY751249	1988	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE552_1993.50	AY751236	1993	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE552_2003.50	AY751173	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol

Table S3. Strain information on G gene sequences derived from the studies of Zlateva *et al.* and Baek *et al.* (part 3-3)

Strain	Accession No	Year of isolation	Place of isolation	Reference
BE7374_1992.50	AY751243	1992	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE860_1990.50	AY751264	1990	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE90_1992.50	AY751247	1992	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE91_2003.50	AY751161	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE922_2003.50	AY751176	2003	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE946_1987.50	AY751258	1987	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE96_1996.50	AY751219	1996	Belgium	Zlateva <i>et al.</i> (2005) J Virol
BE975_2002.50	AY751269	2002	Belgium	Zlateva <i>et al.</i> (2005) J Virol
CH10b_1990.50	AF065250	1990	New York (USA)	Peret <i>et al.</i> (1998) J Gen Virol
CH18537_1962.50	M17213	1962	District of Colombia	Johnson <i>et al.</i> (1987) PNAS
CH18b_1993.50	AF065252	1993	New York (USA)	Peret <i>et al.</i> (1998) J Gen Virol
CH53b_1993.50	AF065253	1993	New York (USA)	Peret <i>et al.</i> (1998) J Gen Virol
CH9b_1993.50	AF065251	1993	New York (USA)	Peret <i>et al.</i> (1998) J Gen Virol
HQ699287_2010.21	HQ699287	2010	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699288_2010.21	HQ699288	2010	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699289_2010.29	HQ699289	2010	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699290_2010.29	HQ699290	2010	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699291_2008.87	HQ699291	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699292_2008.87	HQ699292	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699293_2008.87	HQ699293	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699294_2008.96	HQ699294	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699295_2008.96	HQ699295	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699296_2009.04	HQ699296	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699297_2009.79	HQ699297	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699298_2008.46	HQ699298	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699299_2008.71	HQ699299	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699300_2009.79	HQ699300	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699301_2008.71	HQ699301	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699302_2009.87	HQ699302	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699303_2009.87	HQ699303	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699304_2009.87	HQ699304	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699305_2009.87	HQ699305	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699306_2009.87	HQ699306	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699307_2009.96	HQ699307	2009	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699308_2008.79	HQ699308	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699309_2010.04	HQ699309	2010	South Korea	Baek <i>et al.</i> (2012) Arch Virol
HQ699310_2008.50	HQ699310	2008	South Korea	Baek <i>et al.</i> (2012) Arch Virol
MON15_1990.50	AY333361	1990	Montevideo (Uruguay)	Trento <i>et al.</i> (2003) J Gen Virol
NM1355_1989.50	M73543	1989	New Mexico (USA)	Sullender <i>et al.</i> (1991) J Virol
Sap4_2000.50	AB117522	2000	Sapporo (Japan)	Nagai <i>et al.</i> (2004) J Med Virol
SW8_1960.50	M73545	1960	Sweden	Sullender <i>et al.</i> (1991) J Virol
WV10010_1983.50	M73541	1983	West Virginia (USA)	Sullender <i>et al.</i> (1991) J Virol
WV15291_1985.50	M73542	1985	West Virginia (USA)	Sullender <i>et al.</i> (1991) J Virol
WV4843_1980.50	M73540	1980	West Virginia (USA)	Sullender <i>et al.</i> (1991) J Virol
WVB1_1985.50	AF013254	1985	West Virginia (USA)	Karron <i>et al.</i> (1997) PNAS